

Then he is to attend the Baltimore Conference on public service television sponsored by Westinghouse, where he will discuss two subjects he knows well, "Science in Action" and "Explorers of Tomorrow."

Denver is Draper's last stop before returning to the Academy. In that city he will arrange for a network television show on Buffalo Bill and the American bison. He expects to be back at the Academy about March 15.

ASTRONOMY COURSES AVAILABLE

TWO EVENING COURSES in astronomy—both for college credit—are now being offered by Bay Area institutions and both have as instructors Academy staff members.

George Bunton, manager of Morrison Planetarium, is the instructor for a course offered by Golden Gate College from 6:50 to 9:30 p. m. each Tuesday for 16 Tuesdays beginning February 11. The course convenes at Golden Gate College on Golden Gate Avenue in San Francisco.

"Astronomy for the Layman" is the title of a course offered by the University of California Extension and the instructor is Charles F. Hagar, assistant manager of the Planetarium. The UC course began Thursday, February 6, in the Academy's Student Lecture Room and it will be held at that location for 14 subsequent Thursdays from 7:30 to 9:30 p. m.

There is still room in both classes if those interested act quickly. Registration is handled entirely by the institutions offering the courses, Golden Gate College and the University of California Extension Center.

PROGRAM FOR TEACHERS PLANNED

IN COOPERATION with the San Francisco Unified School District, the Academy, beginning Wednesday, February 19, will present a series of 15 lectures on the public education and research functions of the Academy. The course is designed specifically for elementary school teachers in the San Francisco Unified School District.

The lectures, which are an extension of the Academy's program of science education, will cover all research and public education functions of the Academy. Academy staff members will give the lectures, which are scheduled from 4 to 6 p. m. on Wednesdays from February 19 through June 4, in the May Treat Morrison Auditorium.

NEW MEMBERS

NEW MEMBERS who joined the Academy last month are:

REGULAR MEMBERSHIP

Mr. James P. Bradshaw
Mr. Richard Brumund
Mr. Kenneth F. Crane
Mr. Thomas Fahey
Mr. Philip S. Flint
Colonel Allen Griffin
Mr. Jerome A. Harris
Mr. Ernest R. Held
Mrs. Helen La Plant
Mrs. Copeland MacClintock
Dr. J. Warren McKibben

Mr. Frank Melanson

Mr. William L. Melvin
Mr. Edmund W. Nash
Miss Thea Pedersen
Mr. Ronald J. Raven

FAMILY MEMBERSHIP

Mr. Roy A. Canepa
Dr. Francis S. Greenspan
Mr. Theron W. Hall
Mr. Sylvanus B. Hicks
Mr. Andrew McKaye

Mr. Alan Miner

Mr. William B. Peavey
Mr. Leonard A. Wadleigh

CONTRIBUTING MEMBERSHIP

Mr. Edward D. Landels

ANNUAL SPONSOR

Mr. Douglas B. Lewis

STUDENT MEMBERSHIP

Tony Dever
Peter Stacpoole

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ROCKET BLASTS OFF FROM MOON'S SURFACE

(See Page 2, Bonestell Exhibit)

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February Announcement

THE REGULAR FEBRUARY MEETING of the California Academy of Sciences will be held at 8:15 p.m., Thursday, February 20, in the May Treat Morrison Auditorium. Olin Sewall Petingill, Jr., Audubon Screen Tour lecturer, will give this month's Walter B. Scaife Foundation lecture. He will present:

"PENGUIN SUMMER"

Although everyone knows about penguins, few people have ever seen them except in zoos. This is primarily because penguins—all seventeen species of them—dwell in the seas south of the equator and choose for their nesting grounds some of the most inaccessible lands of the Southern Hemisphere. There is one place, however, where as many as three species live near man. This is the Falkland Islands, 300 miles east of the southern tip of South America.

When Dr. and Mrs. Olin Sewall Petingill, Jr., were engaged by Walt Disney to film penguins in natural color, they selected the Falkland Islands, a British colony of some 2,400 population, where they could be near the penguins and at the same time live with the people of the islands.

The result is the color motion picture "Penguin Summer," in which gentoo, rockhopper and jackass penguins are the featured players. All are social birds and, because they have no natural fear of anything on land, human visitors disturb them little. Courtship and family-rearing—conducted with the deadpan seriousness of a circus clown—are delightful to watch. Young penguins romp and play, annoy their parents, and are so completely fascinated by human beings that they follow them around.

All of this, along with picturing the daily lives of Falklanders in their isolated homeland, has been captured on film by Dr. Petingill, a nationally known ornithologist and a wildlife photographer for more than 20 years.

Academy members and their friends are cordially invited to see this natural color account of penguins and their habitats.

BONESTELL EXHIBIT POPULAR

IN THE COVER photograph, a sleek rocket blasts off from the surface of the moon, as conceived by artist Chesley Bonestell. The photo is taken from one of 31 paintings by Bonestell—all on astronomical subjects—which are now a popular exhibit in the Lovell White Hall of Man and Nature at the Academy, and which will remain on display until March 1.

Adjacent to the Bonestell display is an exhibit of 13 photographs taken by Don Worth, San Francisco photographer who works with Ansel Adams. Included are 12 photos of textures and scenes of nature taken in California, Arizona, Colorado and Oregon, and a large photograph of a section of the Rocky Mountains.

SCIENCE AND RATINGS

THE ACADEMY'S TELEVISION Department reports that "Explorers of Tomorrow," the Academy television series for children, last month achieved a rating of 8.6 and was seen by 280,325 viewers, more than twice as many as for any comparable period last year. For the same period, "Science in Action" had a rating of 20.3 and attracted 678,350 viewers.

ASTRONOMY SECTION MEETING

CHARLES F. HAGAR, the Academy's assistant Curator of Astronomy, will conduct the February meeting of the Astronomy Section at 8:15 p.m., Wednesday, February 26, in the Student Lecture Room.

Dr. C. P. Butler, of the Thermal Radiation Laboratory at Hunters Point and research associate in the Academy's Department of Astronomy, will be guest speaker on the subject, "Planetary Temperatures."

DRAKE DISPLAY PLANNED

OPENING THE FIRST week in March, an exhibit entitled "Drake in California," sponsored by the Academy in cooperation with the Drake Navigators Guild, will be on view in Lovell White Hall of Man and Nature.

The exhibit will be timed to coincide with an article on Drake's California landing written by Admiral Chester W. Nimitz and to be published in the March-April issue of *Pacific Discovery*.

Included in the exhibit will be photographs, a model of Sir Francis Drake's famous ship, the *Golden Hind*, maps, charts, replicas of artifacts which were carried by Drake and his men when they landed in California, and many other items.

PLANETARIUM WELCOMES GIRL SCOUTS

MORRISON PLANETARIUM hosted several thousand Girl Scouts at the Planetarium's special shows for school classes and organized youth groups during the month of January.

The program was in cooperation with the national Girl Scouts organization which had as a January theme "Stars in Girl Scouts' Eyes."

PERIPATETIC PRODUCER

BENJAMIN DRAPER, executive producer in the Academy's Television Department, left February 9 for several eastern points for several reasons.

His first stop was Ann Arbor, Michigan, where he visited the University of Michigan's Engineering Institute to prepare a script with Dr. Edward G. Folsom on "Man in Space," which will be used on "Science in Action."

From there the producer heads for Boston to write another "S in A" script on "Low Temperature Research," with Arthur D. Little.

New York City is the next stop where Draper will confer with the National Broadcasting Company and with the Columbia Broadcasting System on television coverage of science, with emphasis on special activities.

Washington, D. C., is on the itinerary after New York. In the capital, Draper will work on special International Geophysical Year films for television.